INTERNATIONAL SEARCH REPORT

rnational Application No T/GB2004/002988

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01S17/95 G01S17/58 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 GO1S GO1P Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, INSPEC, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to daim No. X US 4 735 503 A (BACHSTEIN FELIX ET AL) 1-4,19,5 April 1988 (1988-04-05) 21 column 1 column 3 - column 4 column 8, line 39 - line 40; figures 1,2a,2b,6 X US 5 796 471 A (MCKAY JACK A ET AL) 1,19 18 August 1998 (1998-08-18) column 5, line 30 - column 7, line 3 US 5 872 535 A (JORDAN JAMES R ET AL) 5-12. 16 February 1999 (1999-02-16) 17-22 column 3, line 67 - column 6, line 6; figures X Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. O document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 23 September 2004 30/09/2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016 Devine, J

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C.(Continua Category °	(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
-alegory °	Cltation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.					
A	US 2002/109630 A1 (LAW DANIEL C) 15 August 2002 (2002-08-15) column 1 - column 2	5-12, 18-22					
A	US 3 728 748 A (ROEHLER F) 24 April 1973 (1973-04-24) the whole document	1-22					
	V210 (continuation of second sheet) (January 2004)						

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information on patent family members

International Application No ./GB2004/002988

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 4735503	A	05-04-1988	DE EP	3520214 C1 0204295 A2	10-07-1986 10-12-1986
US 5796471	Α	18-08-1998	US	5872621 A	16-02-1999
US 5872535	Α	16-02-1999	NONE		——————————————————————————————————————
US 2002109630	A1	15-08-2002	NONE		
US 3728748	Α	24-04-1973	NONE		

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv))

for the purposes of the designation of the United States of America:							
hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor s listed below) inventor of the subject matter which is claimed and for which a patent is sought.							
his declaration is directed to the international application of which it forms a part (if filing declaration with application).							
This declaration is directed to international application No. PCT/(if furnishing declaration pursuant to Rule 26 <i>ter</i>).							
hereby declare that my residence, mailing address, and citizenship are as stated next to my name.							
hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims f said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United states of America, including any PCT international application designating at least one country other than the United States of America, aving a filing date before that of the application on which foreign priority is claimed.							
rior Applications: GB.0316241.9 Filed.11-Jul-2003. Our Ref: IP/P7251							
hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.							
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
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Inventor's Signature:	Date:						
This declaration is continued on the following sheet, "Continuation of the following sheet,"	ion of Box No. VIII (iv)".						